

STATE OF CALIFORNIA

STATE ENERGY RESOURCES  
CONSERVATION AND DEVELOPMENT COMMISSION

*2016 Building Energy Efficiency Standards,*  
California Code of Regulations, Title 24,  
Parts 1 and 6

Docket No. 16-BSTD-04

RESOLUTION OF THE CALIFORNIA ENERGY COMMISSION  
APPROVING THE NONRESIDENTIAL COMPLIANCE SOFTWARE  
THE VIRTUAL ENVIRONMENT TITLE 24: 5.0

**WHEREAS**, the 2016 public domain software California Building Energy Code Compliance – Nonresidential (CBECC-Com) estimates energy consumed by nonresidential buildings under Public Resources Code section 25402.1, subdivision (a), for demonstrating compliance with the performance-based nonresidential provisions of the *2016 Building Energy Efficiency Standards* (2016 Standards), California Code of Regulations, Title 24, Parts 1, Chapter 10, and 6; and

**WHEREAS**, alternative calculation methods are required to use the Application Programming Interface of the 2016 Public Domain California Building Energy Code Compliance Nonresidential (CBECC-Com) software as set forth in the Nonresidential Alternative Calculation Method Approval Manual, CEC-400-2015-039-CMF (June 2015); and

**WHEREAS**, the Warren-Alquist State Energy Resources Conservation and Development Act, Public Resources Code Sections 25000 et seq., 25402.1, Subdivision (b), requires the California Energy Commission to, among other things, establish a process for certifying calculation methods for demonstrating compliance with its building energy efficiency standards; and

**WHEREAS**, as allowed by the 2016 Standards, an application has been submitted to approve The Virtual Environment (VE) Title 24: 5.0 as an alternative calculation method for demonstrating performance compliance with the nonresidential provisions of the 2016 Standards; and

**WHEREAS**, staff of the Energy Commission has reviewed the application and tested VE Title 24: 5.0, to ensure it meets the requirements, specifications, and criteria for building energy models set forth in the Nonresidential Alternative Calculation Method Approval Manual, CEC-400-2015-039-CMF (June 2015), as required by California Code of Regulations, Title 24, Part 1, Chapter 10, Section 10-109(c)(2);

**THEREFORE**, the Energy Commission approves VE Title 24: 5.0 for estimating energy consumed by nonresidential buildings as specified in Public Resources Code Section 25402.1, Subdivision (b), and for demonstrating compliance with the performance-based nonresidential provisions of the 2016 Standards, California Code of Regulations, Title 24, Parts 1 and 6; and

**THEREFORE**, the Energy Commission directs the Executive Director to take, on behalf of the Energy Commission, all actions reasonably necessary to implement this Resolution including, but not limited to:

- Posting information on the Energy Commission's public website as to how to obtain VE Title 24: 5.0.
- Reviewing updates to the vender software, consistent with the 2016 Alternative Calculation Method (ACM) Approval Manual.

### **CERTIFICATION**

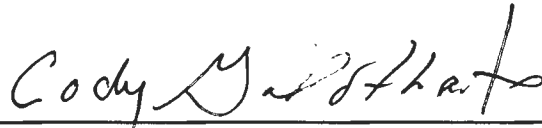
The undersigned Secretariat to the Commission does hereby certify that the foregoing is a full, true, and correct copy of a Resolution duly and regularly adopted at a meeting of the California Energy Commission held on December 14, 2016.

AYE: Weisenmiller, Douglas, McAllister, Hochschild, Scott

NAY: None

ABSENT: None

ABSTAIN: None

  
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Cody Goldthrite  
Secretariat